

Form PTO 948 (Rev. 10-93)

U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office

Application No. 08/335992

NOTICE ON DRAFTSPERSON'S PATENT DRAWING REVIEW

PTO Draftpersons review all originally filed drawings regardless of whether they are designated as formal or informal. Additionally, patent Examiners will review the drawings for compliance with the regulations. Direct telephone inquiries concerning this review to the Drawing Review Branch, 703-205-8404.

The drawings filed (insert date) 11/8/94

A. ☒ not objected to by the Draftperson under 37 CFR 1.84(a) & (b).
 B. ☒ objected to by the Draftperson under 37 CFR 1.84(a) & (b) as indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawings must conform to the instructions on the back of this Notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings

Black ink. Color.

☐ Not black solid lines. Fig(s) _____☐ Color drawings are not acceptable unless permission is granted.

2. PHOTOGRAPHS. 37 CFR 1.84(b)

☐ Photographs are not acceptable until permission is granted.

3. GRAPHIC FORMS. 37 CFR 1.84(c)

☐ Chemical or mathematical formulae not treated as separate figures. Fig(s) _____☐ Group of waveforms not presented on a single figure, using common vertical axis with time extending along horizontal axis. Fig(s) _____☐ Individual waveform not identified with a separate letter designation adjacent to the vertical axis. Fig(s) _____

4. TYPE OF PAPER. 37 CFR 1.84(d)

☐ Paper not flexible, strong, white, smooth, nonshiny, and durable. Sheet(s) _____☐ Erasures, alterations, overwritings, interlineations, creases, wrinkles, and folds not allowed. Sheet(s) _____

5. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable paper sizes.

21.6 cm. by 35.6 cm. (8 1/2 by 14 inches)

21.6 cm. by 33.1 cm. (8 1/2 by 13 inches)

21.6 cm. by 27.9 cm. (8 1/2 by 11 inches)

21.0 cm. by 29.7 cm. (DIN size A4)

☐ All drawing sheets not the same size. Sheet(s) _____☐ Drawing sheet not an acceptable size. Sheet(s) _____

6. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Paper size

21.6 cm. X 35.6 cm. (8 1/2 X 14 inches)	21.6 cm. X 33.1 cm. (8 1/2 X 13 inches)	21.6 cm. X 27.9 cm. (8 1/2 X 11 inches)	21.0 cm. X 29.7 cm. (DIN Size A4)
T .51 cm. (.2")	2.5 cm. (1")	2.5 cm. (1")	2.5 cm.
L .64 cm. (1/16")	.64 cm. (1/16")	.64 cm. (1/16")	2.5 cm.
R .64 cm. (1/16")	.64 cm. (1/16")	.64 cm. (1/16")	1.5 cm.
B .64 cm. (1/16")	.64 cm. (1/16")	.64 cm. (1/16")	1.0 cm.

Margins do not conform to chart above

Sheet(s) _____

Top (T) _____ Left (L) _____ Right (R) _____ Bottom (B) _____

7. VIEWS. 37 CFR 1.84(h)

REMARK: Specification may require revision to correspond to drawing changes.

☐ All views not grouped together. Fig(s) _____☐ Views connected by projection lines. Fig(s) _____☐ Views contain center lines. Fig(s) _____

Partial views. 37 CFR 1.84(h)(2)

☐ Separate sheets not linked edge to edge.

Fig(s) _____

☐ View and enlarged view not labeled separately.

Fig(s) _____

☐ Lone view relationship between different parts not clear and

Modified form. 37 CFR 1.84(h)(3)

☐ Modified areas of construction must be shown in separate views. Fig(s) _____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)

☐ View placed upon another view or within outline of another. Fig(s) _____☐ Views do not appear in a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____

9. SCALE. 37 CFR 1.84(j)

☐ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds its reproduction.

Fig(s) _____

☐ Indication such as "actual size" or "scale 1/2" not permitted.

Fig(s) _____

☐ Extension of scale view not in connection with other views.

Fig(s) _____

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(k)

☒ Lines, numbers & letters not uniformly thick and well defined, clear, durable, and black (except for color drawings).Fig(s) 1-9

11. SHADING. 37 CFR 1.84(l)

☐ Shading used for other than shape of spherical, cylindrical, and conical elements of an object, or for flat parts.

Fig(s) _____

☐ Solid black shading areas not permitted. Fig(s) _____

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)

☒ Numbers and reference characters not plain and legible. 37 CFR 1.84(p)(3) Fig(s) 1-9☐ Numbers and reference characters used in conjunction with brackets, inverted commas, or enclosed within outlines. 37 CFR 1.84(p)(6) Fig(s) _____☐ Numbers and reference characters not oriented in same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____☐ English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____☐ Numbers, letters, and reference characters do not measure at least .32 cm. (1/8 inch) in height. 37 CFR(p)(3) Fig(s) _____

13. LEAD LINES. 37 CFR 1.84(g)

☐ Lead lines cross each other. Fig(s) _____☐ Lead lines missing. Fig(s) _____☐ Lead lines not as short as possible. Fig(s) _____

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i)

☐ Number appears in top margin. Fig(s) _____☐ Number not larger than reference characters.

Fig(s) _____

☐ Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1. Sheet(s) _____

unambiguous. 37 CFR 1.84(h)(2)(ii)

Fig(s) _____

Sectional views. 37 CFR 1.84(h)(3)

- ___ Hatching not indicated for sectional portions of an object. Fig(s) _____
- ___ Hatching of regularly spaced oblique parallel lines not spaced sufficiently. Fig(s) _____
- ___ Hatching not at substantial angle to surrounding axes or principal lines. Fig(s) _____
- ___ Cross section not drawn same as view with parts in cross section with regularly spaced parallel oblique strokes. Fig(s) _____
- ___ Hatching of juxtaposed different elements not angled in a different way. Fig(s) _____

Alternate position. 37 CFR 1.84(h)(4)

- ___ A separate view required for a moved position. Fig(s) _____

15. NUMBER OF VIEWS. 37 CFR 1.84(u)

- ___ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____
- ___ View numbers not preceded by the abbreviation Fig. Fig(s) _____
- ___ Single view contains a view number and the abbreviation Fig. Numbers not larger than reference characters. Fig(s) _____

16. CORRECTIONS. 37 CFR 1.84(w)

- ___ Corrections not durable and permanent. Fig(s) _____

17. DESIGN DRAWING. 37 CFR 1.152

- ___ Surface shading shown not appropriate. Fig(s) _____
- ___ Solid black shading not used for color contrast. Fig(s) _____

ATTACHMENT TO PAPER NO. _____

REVIEWER _____

DATE _____

Applicant's Copy